



Appendix Table 3-13 Employed S&E highest degree holders, by sex and field of degree: 2013

Field of S&E highest degree	Total	Female		Male	
		Number	Percent	Number	Percent
All S&E highest degree	12,446,000	4,839,000	38.9	7,607,000	61.1
Computer and mathematical sciences	2,197,000	648,000	29.5	1,548,000	70.5
Computer and information sciences	1,623,000	426,000	26.2	1,197,000	73.8
Computer and information sciences, general	314,000	85,000	27.1	229,000	72.9
Computer science	849,000	208,000	24.5	642,000	75.6
Computer systems analysis	28,000	5,000	17.9	22,000	78.6
Information services and systems	337,000	97,000	28.8	240,000	71.2
Other computer and information sciences	94,000	31,000	33.0	64,000	68.1
Mathematics and statistics	574,000	223,000	38.9	352,000	61.3
Applied mathematics	55,000	16,000	29.1	39,000	70.9
Mathematics, general	403,000	171,000	42.4	233,000	57.8
Operations research	41,000	6,000	14.6	35,000	85.4
Statistics	53,000	26,000	49.1	28,000	52.8
Other mathematics	21,000	5,000	23.8	16,000	76.2
Biological, agricultural, and environmental life sciences	1,896,000	910,000	48.0	985,000	52.0
Agricultural and food sciences	301,000	98,000	32.6	203,000	67.4
Animal sciences	103,000	36,000	35.0	67,000	65.0
Food sciences and technology	43,000	25,000	58.1	18,000	41.9
Plant sciences	98,000	28,000	28.6	69,000	70.4



Field of S&E highest degree	Total	Female		Male	
		Number	Percent	Number	Percent
Other agricultural sciences	57,000	9,000	15.8	49,000	86.0
Biological sciences	1,427,000	758,000	53.1	669,000	46.9
Biochemistry and biophysics	119,000	56,000	47.1	62,000	52.1
Biology, general	665,000	350,000	52.6	315,000	47.4
Botany	25,000	11,000	44.0	13,000	52.0
Cell and molecular biology	92,000	48,000	52.2	44,000	47.8
Ecology	73,000	31,000	42.5	42,000	57.5
Genetics, animal and plant	20,000	9,000	45.0	11,000	55.0
Microbiological sciences and immunology	95,000	57,000	60.0	38,000	40.0
Nutritional sciences	79,000	71,000	89.9	9,000	11.4
Pharmacology, human and animal	18,000	9,000	50.0	9,000	50.0
Physiology and pathology, human and animal	49,000	27,000	55.1	21,000	42.9
Zoology, general	78,000	34,000	43.6	44,000	56.4
Other biological sciences	114,000	54,000	47.4	60,000	52.6
Environmental life sciences	168,000	55,000	32.7	113,000	67.3
Environmental science or studies	115,000	43,000	37.4	72,000	62.6
Forestry sciences	53,000	11,000	20.8	41,000	77.4
Physical and related sciences	731,000	218,000	29.8	512,000	70.0
Chemistry, except biochemistry	324,000	119,000	36.7	205,000	63.3
Earth, atmospheric, and ocean sciences	199,000	66,000	33.2	133,000	66.8
Atmospheric sciences and meteorology	29,000	13,000	44.8	16,000	55.2
Earth sciences	35,000	16,000	45.7	19,000	54.3
Geology	98,000	28,000	28.6	71,000	72.4
Geological sciences, other	28,000	6,000	21.4	22,000	78.6



Field of S&E highest degree	Total	Female		Male	
		Number	Percent	Number	Percent
Oceanography	9,000	4,000	44.4	5,000	55.6
Physics and astronomy	176,000	20,000	11.4	156,000	88.6
Astronomy and astrophysics	18,000	2,000	11.1	16,000	88.9
Physics	158,000	18,000	11.4	140,000	88.6
Other physical sciences	31,000	12,000	38.7	19,000	61.3
Other physical sciences	31,000	12,000	38.7	19,000	61.3
Science, unclassified	S	S	S	S	S
Social and related sciences	4,764,000	2,639,000	55.4	2,124,000	44.6
Economics	789,000	227,000	28.8	562,000	71.2
Agricultural economics	56,000	14,000	25.0	42,000	75.0
Economics	733,000	213,000	29.1	520,000	70.9
Political and related sciences	828,000	353,000	42.6	475,000	57.4
Public policy studies	52,000	33,000	63.5	20,000	38.5
International relations	150,000	85,000	56.7	65,000	43.3
Political science and government	626,000	235,000	37.5	391,000	62.5
Psychology	1,866,000	1,289,000	69.1	577,000	30.9
Educational psychology	109,000	90,000	82.6	19,000	17.4
Clinical psychology	211,000	136,000	64.5	74,000	35.1
Counseling psychology	303,000	234,000	77.2	69,000	22.8
Experimental psychology	38,000	18,000	47.4	20,000	52.6
General psychology	880,000	595,000	67.6	284,000	32.3
Industrial/organizational psychology	68,000	40,000	58.8	28,000	41.2
Social psychology	98,000	64,000	65.3	34,000	34.7
Other psychology	160,000	112,000	70.0	48,000	30.0



Field of S&E highest degree	Total	Female		Male	
		Number	Percent	Number	Percent
Sociology and anthropology	761,000	458,000	60.2	304,000	39.9
Anthropology and archaeology	124,000	84,000	67.7	40,000	32.3
Criminology	84,000	28,000	33.3	56,000	66.7
Sociology	554,000	345,000	62.3	208,000	37.5
Other social sciences	520,000	312,000	60.0	207,000	39.8
Area and ethnic studies	99,000	69,000	69.7	31,000	31.3
Linguistics	73,000	55,000	75.3	18,000	24.7
Philosophy of science	S	2000	S	S	S
Geography	111,000	43,000	38.7	68,000	61.3
History of science	9,000	6,000	66.7	3,000	33.3
Other social sciences	219,000	139,000	63.5	80,000	36.5
Engineering	2,859,000	422,000	14.8	2,437,000	85.2
Aerospace, aeronautical, and astronautical engineering	131,000	13,000	9.9	118,000	90.1
Chemical engineering	182,000	46,000	25.3	136,000	74.7
Civil and architectural engineering	428,000	62,000	14.5	365,000	85.3
Architectural engineering	30,000	5,000	16.7	25,000	83.3
Civil engineering	398,000	58,000	14.6	340,000	85.4
Electrical and computer engineering	968,000	124,000	12.8	845,000	87.3
Computer and systems engineering	251,000	34,000	13.5	217,000	86.5
Electrical, electronics, and communications engineering	717,000	90,000	12.6	627,000	87.4
Industrial and manufacturing engineering	190,000	39,000	20.5	151,000	79.5
Mechanical engineering	559,000	50,000	8.9	509,000	91.1
Other engineering	401,000	88,000	21.9	313,000	78.1
Agricultural engineering	21,000	4,000	19.0	17,000	81.0



Field of S&E highest degree	Total	Female		Male	
		Number	Percent	Number	Percent
Bioengineering and biomedical engineering	50,000	20,000	40.0	30,000	60.0
Engineering sciences, mechanics, and physics	30,000	3,000	10.0	27,000	90.0
Environmental engineering	41,000	19,000	46.3	22,000	53.7
Engineering, general	32,000	3,000	9.4	29,000	90.6
Geophysical and geological engineering	12,000	5,000	41.7	7,000	58.3
Materials engineering, including ceramics and textiles	55,000	13,000	23.6	42,000	76.4
Metallurgical engineering	18,000	2,000	11.1	16,000	88.9
Mining and minerals engineering	11,000	S	S	11,000	100.0
Naval architecture and marine engineering	16,000	S	S	15,000	93.8
Nuclear engineering	15,000	3,000	20.0	12,000	80.0
Petroleum engineering	22,000	2,000	9.1	20,000	90.9
Other engineering	77,000	13,000	16.9	64,000	83.1

S = suppressed for reasons of confidentiality and/or reliability.

NOTES: Detail may not add to total because of rounding. Numbers are rounded to the nearest 1,000. Percentages are based on rounded numbers.

SOURCE: National Science Foundation, National Center for Science and Engineering Statistics, Scientists and Engineers Statistical Data System (SESTAT) (2013), <http://sestat.nsf.gov/>.

Science and Engineering Indicators 2016